

# JAPANESE PATENT OFFICE -- Patent Abstracts of Japan

Publication Number: 10328303 A

Date of Publication: 1998.12.15

Int.Class: A61M 16/04

Date of Filing: 1998.05.22

Applicant: SMITHS IND PLC  
Inventor: PAGAN ERIC  
TUBE ASSEMBLY WITH CUFF

## Abstract:

**PROBLEM TO BE SOLVED:** To correctly position an assembly such as an airway with a pharynx part or a mask for the pharynx part by arranging a cuff to enclose a plate member protruding toward an end part on the side of a patient of a tubular member outward the tubular member while matching the contour thereof when reduced.

**SOLUTION:** A bend pipe 1 as tubular member is provided with an expansible cuff 2 at an end part on the side of a patient thereof and the cuff 2 is so arranged to enclose a plate member 10 which is made almost triangular having rounded corner parts 11-13 with two sides 14 and 15 thereof slightly bent outward. When the cuff 2 is expanded to an expansion line by air supplied, it 2 expands beyond a boundary line of the plate member 10. On the other hand, when the cuff 2 is reduced from the expansion line by drawing out the air, the cuff is made to almost match the contour of the plate member 10. This enables correctly positioning of an airway with a pharynx part or a mask for the pharynx part.

COPYRIGHT: (C)1998,JPO

